

REMARKS

Applicants appreciate the Examiner's thorough review of the present application, and respectfully request reconsideration in light of the preceding amendments and the following remarks.

Claims 1-4 and 7-16 are pending in the application. Claim 8 has been revised to correct a clerical error. Claim 13 has been made dependent on claim 10. No new matter has been introduced through the foregoing amendments.

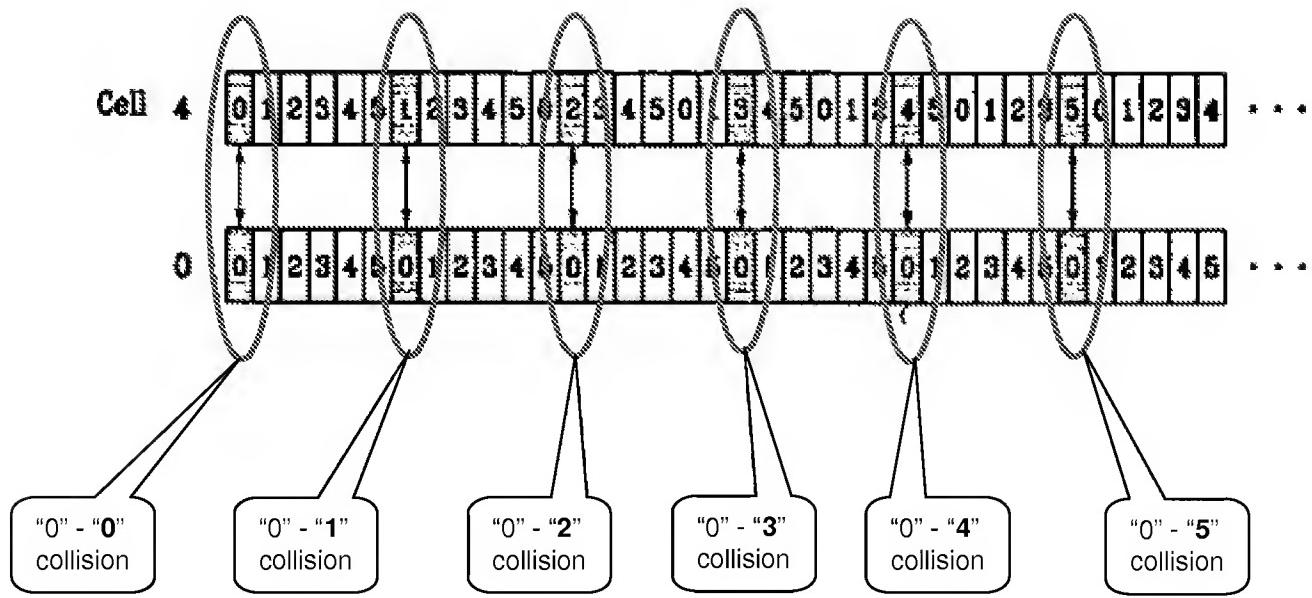
The objection to claim 8 is believed overcome in view of the above amendments.

The new grounds of rejection relying on *Nadgauda* in view of *Tateson* are noted, but respectfully traversed because the applied references singly or in combination fail to disclose, teach or suggest all limitations of the rejected claims, especially the requirement of independent claims 1 and 2 that

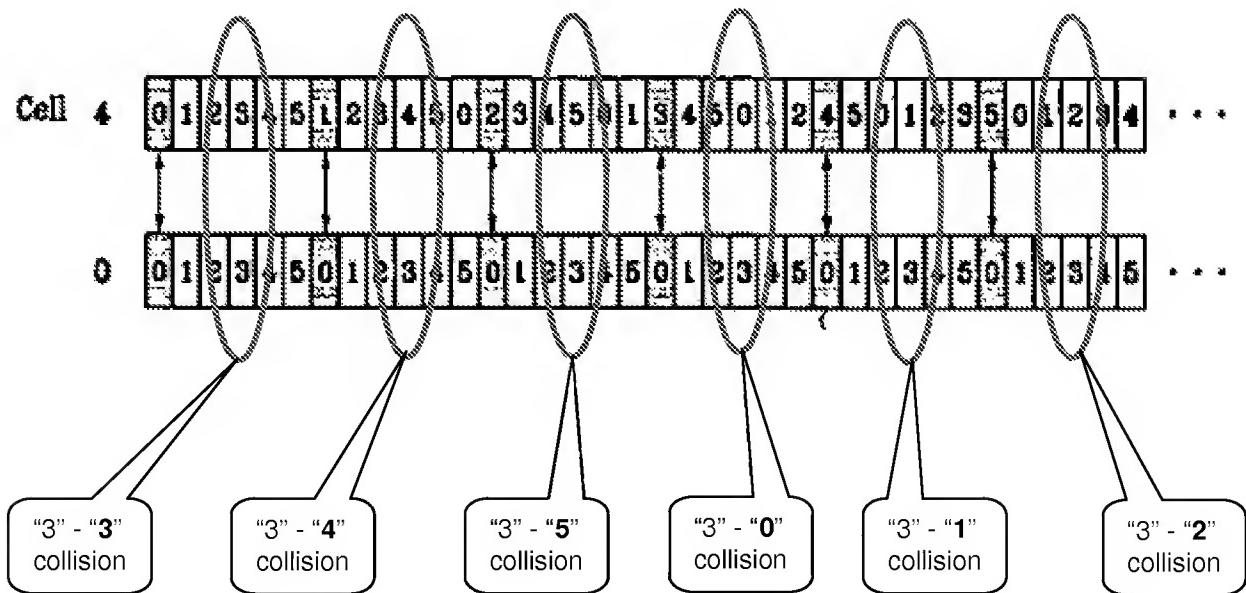
the resource sets within one resource space (or subspace of) of one of the adjacent cells are arranged to be collided as uniformly as possible with all the resource sets within the same resource space (or subspace) of another adjacent cell

The claimed resource uniform collision feature finds support in the application as filed, e.g., at the clear example given in FIG. 4.

For example, the resource set “0” in cell 0 uniformly collides with all resource sets “0,” “1,” through “5” of the adjacent cell 4 as illustrated below:



Likewise, each of the other resource sets "1," "2," "3," "4," "5," in cell 0 uniformly collides with all resource sets "0," "1," through "5" of the adjacent cell 4 as *exemplarily* illustrated below for resource set "3":



Applicants respectfully submit that the uniform resource collision across adjacent cells feature as claimed and disclosed in the instant application is no where to be found or suggested in the applied references.

The Office alleges that the primary reference of *Nadgauda* teaches all features of claim 1 except for the “collided as uniformly as possible” feature at issue, for which *Tateson* is relied upon. The cited portion at column 2 lines 31-65 of *Tateson* discloses how uniform demand for four channels in each cell can be successfully met with zero interference.

There are several primary differences in the reference’s teachings and the claimed invention.

First, the reference’s uniform demand is apparently remote from the claimed uniform collision of resource sets, and therefore, even if *Nadgauda* was combinable with *Tateson* (which Applicants contend to the contrary), the combination would still fail to teach or suggest the claimed invention.

Second, the uniform demand satisfaction of *Tateson* is within a single cell, whereas the claimed uniform collision of resource sets occur across multiple, adjacent cells.

Finally, the uniform demand satisfaction of *Tateson* is apparently to effectively use resources available in each cell. Embodiments of the claimed invention, to the contrary, are implemented to control interference from neighbor cells. *See Abstract* of the instant application.

For any of the reasons detailed above, Applicants respectfully submit that the invention as recited in claims 1-2 is patentable over the applied art of record.

The dependent claims are considered patentable at least for the reason(s) advanced with respect to the respective independent claim(s).

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Withdrawal of the art rejections is now believed appropriate and therefore respectfully requested.

Each of the Office's rejections has been traversed. Accordingly, Applicants respectfully submit that all claims are now in condition for allowance. Early and favorable indication of allowance is courteously solicited.

The Examiner is invited to telephone the undersigned, Applicant's attorney of record, to facilitate advancement of the present application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted,
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